Index of Claims

| Application/Control | No. |
|---------------------|-----|
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10/809,352

SHIMOKAWA ET AL.

Reexamination

Applicant(s)/Patent under

Examiner

Art Unit

Stevan A. Resan

1773

√ Rejected
= Allowed

(Through numeral)
Cancelled

Non-Elected

A Appeal

Objected

o

+ Restricted

I Interference

|                        |          |               |          |          |           |            | <del></del>  |         |              |          |          |              |          |                 |          |         |           |          |         |                 |               |       |            |          |         |          |                |                 |          |                   |   |
|------------------------|----------|---------------|----------|----------|-----------|------------|--------------|---------|--------------|----------|----------|--------------|----------|-----------------|----------|---------|-----------|----------|---------|-----------------|---------------|-------|------------|----------|---------|----------|----------------|-----------------|----------|-------------------|---|
| Cla                    | aim      | Date          |          |          |           | Claim Date |              |         |              |          |          |              | CI       | aim             | Date     |         |           |          |         |                 |               | _     |            |          |         |          |                |                 |          |                   |   |
|                        |          | 7/4/04        |          |          | Γ         | Τ          | Τ            |         | Τ            |          |          |              |          | П               |          |         |           |          |         |                 |               |       |            |          |         |          |                |                 |          |                   |   |
| Final                  | Original | 14            |          |          |           |            |              |         |              |          |          | Final        | Original | 1 1             | - 1      |         | İ         |          |         |                 |               | Final | Original   |          |         | 1        |                |                 |          |                   |   |
| Œ                      | ō        | 04            | 1        |          |           |            |              |         | ŀ            |          |          | [            | ő        |                 |          | İ       |           |          |         |                 |               | Ē     | Ö          |          |         |          |                |                 |          |                   |   |
| <u> </u>               | 1        | V             | ~        | ╁        | ╀         | ╁          | ╁            | ╁       | +-           | ╀        | -        |              | 51       | $\vdash \vdash$ | $\dashv$ |         | +         | -+       | -       | +-              |               |       | 101        | $\dashv$ |         | ┼        | ┢              | -               | $\vdash$ | -+                |   |
| <del> </del>           | 2        | Ť             | ╁        | ╁        | ╁         | ╁╴         | +            | ╁       | +-           | +        | 1        | <b>-</b>     | 52       | $\vdash$        | $\dashv$ | +       | +         | -+       | +       | $\vdash$        |               |       | 102        | +        | +       | +        | ┢              | -               | $\dashv$ | $\dashv$          | _ |
| -                      | 3        | Н             | ╁        | +        | +         | +          | +            | +       | +            | +-       | 1        | <del> </del> | 53       | $\vdash$        | -        | -       |           | -        | +-      | ╁               |               |       | 103        | -+       | +       | +        | <del> </del>   |                 | $\vdash$ | $\dashv$          |   |
|                        | 4        | H             | T        | T        | ✝         | 十          | $\top$       | T       | $\top$       | T        | 1        |              | 54       | $\Box$          | $\dashv$ |         | 1         | $\vdash$ |         |                 |               |       | 104        | 1        | +       | 1        | ✝              |                 | $\Box$   | 寸                 |   |
|                        | 5        | П             | Г        | T        |           | 1          |              |         |              | 1        |          |              | 55       |                 |          | $\top$  |           |          |         |                 |               |       | 105        |          |         |          |                |                 |          | $\exists$         |   |
|                        | 6        | $\prod$       |          |          |           |            |              |         |              |          |          |              | 56       |                 |          |         |           |          |         |                 |               |       | 106        |          |         |          |                |                 |          |                   |   |
|                        | 7        | Ц             | _        | ↓_       | <u> </u>  | $\perp$    | _            | ┸       | $\perp$      |          | 1        |              | 57       |                 |          |         |           |          |         | <u> </u>        |               |       | 107        | _        |         | <u> </u> |                |                 |          | _                 |   |
|                        | 8        | Ц             | ┡        | ↓        | ↓_        | ╙          | ↓            | $\perp$ | $\perp$      | ↓_       | 1        |              | 58       | Ш               | _        | $\perp$ | <u> </u>  |          | _       | <u> </u>        |               |       | 108        | _        | _       | <u> </u> |                |                 | $\Box$   | _                 |   |
| <u> </u>               | 9        | 4             | ┞        | ╄        | ╄         | ╄          | ╁            | ╄       | +            | 1        | 4        |              | 59       | $\sqcup$        |          |         | -         | -        |         | <u> </u>        |               |       | 109        | _        | -       | 1        | -              |                 | $\dashv$ | $\dashv$          | _ |
| <u> </u>               | 10       | H             | ┝        | ⊬        | ╀         | ╀          | +            | ╀       | ╄            | +        | -        |              | 60       | $\vdash$        | +        | +       | ╂         | +        |         | $\vdash$        |               |       | 110        | +        | +-      | ╀        | ⊢              | H               | $\dashv$ | $\dashv$          | _ |
| -                      | 11<br>12 | ${\mathbb H}$ | $\vdash$ | ╁        | ╁         | +          | ╁            | +       | +            | +        | 1        | <u> </u>     | 61<br>62 | ┝╌┼             | +        | +       | +         | +        | +       | $\vdash$        |               |       | 111<br>112 | $\dashv$ | +       | ╁        | Η-             | H               | $\dashv$ | $\dashv$          |   |
|                        | 13       | V             | $\vdash$ | +        | +         | ╁          | +            | +       | ╁╌           | +        | 1        | -            | 63       | $\vdash$        | $\dashv$ | +       | +         | $\dashv$ |         | $\vdash$        |               |       | 113        | +        | +-      | ╁╌       | ┢              | $\vdash$        | $\dashv$ | $\dashv$          |   |
|                        | 14       | ۳             | $\vdash$ | $\vdash$ | $\dagger$ | ╁          | t            | +-      | +            | +        | 1        |              | 64       | H               | +        | +       | +         |          | +       | +               |               |       | 114        | +        | +       | +        | $\vdash$       | H               | +        | $\dashv$          |   |
|                        | 15       | $\vdash$      | Т        | 1        | 1         | $\dagger$  | $\top$       | T       | o            | +        | 1        |              | 65       | $\vdash$        | $\dashv$ | +       |           | $\dashv$ | $\top$  | $\sqcap$        |               |       | 115        | $\dashv$ | +       | T        |                | $\vdash$        | $\dashv$ | $\dashv$          |   |
|                        | 16       |               |          | 1        |           | T          |              | T       | 1            | t        | 1        |              | 66       | H               | $\top$   | $\top$  | 1         | $\neg$   | $\top$  | T               |               |       | 116        | $\dashv$ | $\top$  | T        | П              | П               | $\Box$   | $\dashv$          | _ |
|                        | 17       |               |          |          |           | 1          | 1            | T       |              |          |          |              | 67       |                 |          |         |           |          |         |                 |               |       | 117        |          | 1       |          |                |                 |          | T                 |   |
|                        | 18       |               |          |          |           |            |              |         |              |          |          |              | 68       |                 |          |         |           |          |         |                 |               |       | 118        |          |         |          |                |                 |          | $\Box$            |   |
|                        | 19       |               | Ŀ        |          |           |            |              |         | $\perp$      |          |          |              | 69       |                 |          |         |           |          |         | Ш               |               |       | 119        |          |         |          |                |                 |          | $\Box$            |   |
|                        | 20       |               |          | <u> </u> | L         | ╄          | 丄            | _       | $\perp$      | $\perp$  |          | L            | 70       |                 | _        |         |           |          |         | Ш               |               |       | 120        | _        |         | oppi     | Ш              | Ш               |          | _                 |   |
|                        | 21       |               |          | ├_       | ╙         | ┞          | ↓_           | ╄       | <u> </u>     | 1        |          |              | 71       | $\sqcup$        | _        |         |           | $\perp$  | $\perp$ | Щ               |               |       | 121        |          |         | ↓_       |                | Ш               | 4        | _                 | _ |
| <u> </u>               | 22       |               | L        | ╁        | ╀         | 1          | +            | ╀       | +            | ┼        |          | <u> </u>     | 72       | $\vdash$        | $\dashv$ | _       | $\perp$   | -        | $\bot$  | Н               |               |       | 122        | $\dashv$ | -       |          |                | Ш               | $\dashv$ | -                 | _ |
|                        | 23<br>24 |               | ⊢        | ┼        | ⊢         | ╀          | +            | +       | +-           | ╀╌       |          |              | 73<br>74 | $\vdash$        | $\dashv$ | +       | +         | +        | +       | $\vdash$        |               |       | 123        | +        | +       | ╁        |                | -               | -        | -                 |   |
| <u> </u>               | 25       |               | $\vdash$ | ┿        | $\vdash$  | ╁          | +            | +       | +            | ╁        | 1        |              | 75       | $\vdash$        | +        | +       | +         | $\dashv$ |         | $\vdash$        | -             |       | 124<br>125 |          | ┿       | ╁        | -              |                 | -        | $\dashv$          |   |
| $\vdash$               | 26       |               | $\vdash$ | $\vdash$ | +         | +          | +-           | ╁       | ╁            | ╁        |          |              | 76       | $\vdash$        | +        | +       | +         | +        | +       | ╁╌              | -             |       | 126        | -+-      | +-      | ╁        | ┢              | $\vdash$        | -        | $\dashv$          | _ |
|                        | 27       |               | $\vdash$ | 1        | H         | 1          | $\vdash$     | +       | +            | 1        |          |              | 77       |                 | $\dashv$ | +       | +         | $\dashv$ | $\top$  | Н               |               |       | 127        | $\dashv$ | +       | ╁─       | $\vdash$       |                 |          | $\dashv$          | _ |
|                        | 28       |               | Т        |          | Т         | †          | 1            | †       | T            | T        | l        |              | 78       |                 | _        | 十       | $\dagger$ | $\dashv$ | ┪-      | H               |               |       | 128        |          | _       | 1-       | -              | Н               | $\dashv$ | $\dashv$          | _ |
|                        | 29       |               |          | 1        |           |            |              | Τ       | $\top$       | T        | 1        |              | 79       | П               |          |         | T         | T        |         | П               |               |       | 129        |          |         | T        |                |                 |          | ヿ                 | _ |
|                        | 30       |               |          |          |           |            |              | Π       |              |          |          |              | 80       |                 |          |         |           |          |         | П               |               |       | 130        |          |         |          |                |                 |          | T                 |   |
|                        | 31       |               |          |          | L         |            | $oxed{oxed}$ | $\perp$ | $oxed{oxed}$ |          | ]        |              | 81       |                 |          |         |           |          |         |                 |               |       | 131        |          |         |          |                |                 | $\Box$   | $\Box$            |   |
|                        | 32       |               | _        | <u> </u> |           |            | ļ            | ╽.      | _            | ╙        |          | L            | 82       | Ш               | _        | _       | $\perp$   |          |         | Ш               |               |       | 132        | L        |         | <u> </u> |                |                 |          | ightharpoonup     |   |
|                        | 33       |               | <u> </u> | ╄        | ₽         | 1          | 1            | $\perp$ | _            | ╄        |          |              | 83       | $\sqcup$        | _        |         | $\sqcup$  | _        |         | $\sqcup$        |               |       | 133        | $\perp$  | 4       | <u> </u> | oxdot          | Щ               | _        | $\dashv$          | _ |
|                        | 34       |               | $\vdash$ | ┼        | ╀         | $\vdash$   | +            | +       | +            | ┼        | <b> </b> |              | 84       | $\vdash \vdash$ | $\dashv$ |         | $\vdash$  | $\dashv$ |         | $\vdash \vdash$ |               |       | 134        | $\perp$  | +       | 1        | Щ.             | Ш               | -        | $\dashv$          |   |
| -                      | 35<br>36 |               | ├        | +-       | ⊢         | $\vdash$   | +-           | +       | +            | +        | 1        |              | 85<br>86 | $\vdash$        | -        | -       | $\dashv$  | -        |         | $\vdash\vdash$  |               |       | 135        | +        | +       | $\vdash$ | H              | $\vdash$        | +        | +                 |   |
| $\vdash$               | 37       |               |          | ╁        | $\vdash$  | $\vdash$   | +            | ╁       | +            | +        | 1        | -            | 87       | $\vdash \vdash$ | +        | +       | $\vdash$  | $\dashv$ |         | $\vdash\vdash$  |               |       | 136<br>137 | +        | +       | $\vdash$ | H              | Н               | $\dashv$ | +                 |   |
| $\vdash \dashv$        | 38       |               | $\vdash$ | ╁╴       | $\vdash$  | +          | +            | ╁╴      | +            | ╁        | ł        |              | 88       | $\vdash$        | +        | +-      | +         | +        | +-      | $\vdash$        |               |       | 138        |          | +       | +        | $\vdash$       | H               | $\dashv$ | +                 |   |
|                        | 39       |               | $\vdash$ | $\vdash$ | $\vdash$  |            | T            | T       | $\top$       | T        | 1        | <b></b>      | 89       | H               | +        | +       | +         | $\dashv$ | $\top$  | H               | ::::I         |       | 139        | $\dashv$ | +       | $\vdash$ | $\vdash$       | H               | +        | +                 | _ |
|                        | 40       |               |          |          | T         | T          | 1            | T       | $\top$       | $\top$   |          |              | 90       | $\sqcap$        | $\top$   | $\top$  | $\top$    | $\top$   | $\top$  | П               | :::: <b>!</b> |       | 140        | +        | $\top$  | t        | П              | H               | 1        | $\dashv$          | _ |
|                        | 41       |               |          |          |           |            |              | Γ       | I            |          |          |              | 91       |                 |          | Τ       | $\Box$    | 丁        |         | П               |               |       | 141        |          |         |          | П              |                 | $\dashv$ | $\dashv$          |   |
|                        | 42       |               |          |          |           |            |              |         |              |          |          |              | 92       |                 |          |         |           |          |         |                 |               |       | 142        |          |         |          |                |                 |          | $\Box$            | _ |
| []                     | 43       |               | Ĺ        | 匚        | $\perp$   |            |              |         | 1            | $\Box$   |          |              | 93       | Ц               | $\bot$   |         | $\Box$    | $\Box$   |         | $\Box$          |               |       | 143        | $\Box$   |         |          |                |                 |          | $oldsymbol{\bot}$ |   |
| $\sqcup \sqcup$        | 44       |               | L        | ┞_       | $\vdash$  | $\perp$    |              | $\perp$ | 1            | _        |          |              | 94       |                 | _        | 1       | Ш         | _        |         | Ш               |               |       | 144        |          |         | ļ        |                |                 |          | $\bot$            |   |
| $\vdash$               | 45       |               |          | <u> </u> | ├         | ┡          | ↓_           | ↓_      | ╄            | ┺        |          |              | 95       | $\sqcup$        | 4        | -       | Ш         | _        |         | Щ               |               |       | 145        | _        | $\perp$ |          | Ш              | $\square$       | 4        | $\dashv$          | _ |
| ├─┤                    | 46       |               | <u> </u> | ⊢        | $\vdash$  | ⊢          | $\vdash$     | ╀       | ╀            | $\vdash$ |          |              | 96       | $\vdash \vdash$ | +        | +       | $\vdash$  | -        | +-      | $\vdash$        |               |       | 146        | +        | +       | ₩        | Ш              | $\square$       | 4        | $\dashv$          | _ |
| $\vdash$ $\dashv$      | 47<br>48 |               | <u> </u> | -        | ├         | $\vdash$   | $\vdash$     | ╁       | +            | +        |          |              | 97<br>98 | $\vdash$        | +        | +-      | $\vdash$  | +        | +       | Н               | <b>.</b>      |       | 147        | +        | +       | ┼        | $\vdash\vdash$ | $\vdash \vdash$ | $\dashv$ | +                 | _ |
| $\vdash \vdash \vdash$ | 48       |               | -        | -        | $\vdash$  | ╁          | ╀            | ╁       | +            | +        |          |              | 98       | $\vdash$        | +        | +       | +         | -        | +-      | Н               | •             |       | 148<br>149 | +        | +       | $\vdash$ | Н              | $\vdash$        | $\dashv$ | +                 | _ |
| $\vdash \vdash \vdash$ | 50       |               | H        | ╁        | ┼─        | ╁╌         | ╁            | ╁       | ╁            | $\vdash$ |          |              | 100      | $\vdash$        | +        | +       | +         | +        | +-      | $\vdash \vdash$ | ⊪             |       | 150        | +        | +       | $\vdash$ | Н              | $\vdash$        | $\dashv$ | $\dashv$          | _ |
|                        |          |               |          |          |           |            |              |         | 1            |          |          | L            | 100      |                 |          | - 1     |           | i        |         | ıl              |               |       | 100        | - 1      | 1       | 1        |                | ıl              | - 1      | - 1               |   |